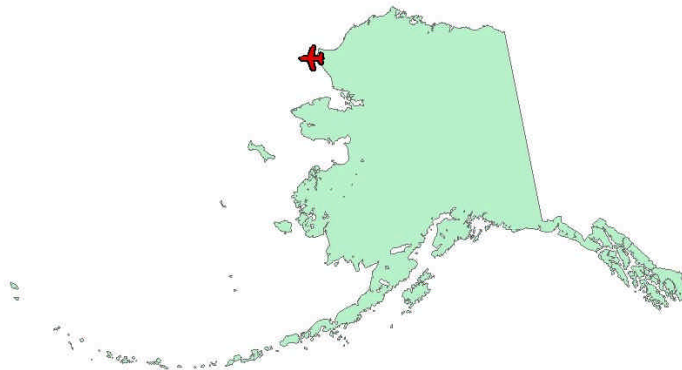


POINT HOPE AIRPORT



2004 Alaska Airport Pavement Condition Report

Scott Gartin, P.E.
 State Pavement Engineer
 Statewide Materials Section, Alaska DOT&PF
 5800 E. Tudor Road
 Phone: (907) 269-6244 Fax: (907) 269-6231
 Email: scott_gartin@dot.state.ak.us

Maps and report compiled by
 H. June Finkbiner
 Central Region Materials, Alaska DOT&PF

POINT HOPE AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

- Location:
Point Hope Airport is located about 1 mile west of the village of Point Hope, Alaska. It is on the western tip of the Lisburne Peninsula on the northwest coast of Alaska.
- District: Western, Northern Region
- Airport Manager: Kenny Gallahorn, Contract Manager
- District Maintenance Manager: Patrick Kelliher
- Pavement Surface: Asphalt Concrete
- Last Pavement Construction: 1993
- Pavement layout:
The Runway is designated as 1-19 with asphalt concrete pavement measuring approximately 4,000' x 75' with a turn around at each end. There is a perpendicular Taxiway A, located near mid field that connects to an apron on the east side of the Runway. This airport is maintained under contract by the State of Alaska DOT&PF, Western District.
- Design Aircraft: C-130
- 2003 Enplanements: 4,230 – a 43% increase from 2002
- Airport Class: Non-Primary
- Last pavement condition survey: 2004
conducted by Angela Parsons and Roy Stover of Central Region Materials
- Next planned pavement condition survey: 2007
- 2004 reported pavement maintenance and/or changed conditions: Local maintenance personnel (Gordon Omnik) reports the pavement is cracking up and they have used some Kold Seal to hold a small area that could have popped of the pavement. More crack sealing is needed. Birds are damaging the equipment building.
- Recommendations: Seal cracks that are greater than ¼" wide and patch with cold mix as required to maintain serviceability. Get a crew, materials and equipment there is 2005 to seal the cracks and patch.

Date: 9 /27/2004					Branch Condition Report		1 of 2	
Pavement Database: NetworkID: Point Hope								
Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (TAXIWAY A)	1	210.00	75.00	23529.00	TAXIWAY	45.00	0.00	45.00
4100 (APRON)	2	700.00	225.00	112500.00	APRON	51.50	7.50	52.33
6100 (RUNWAY 01-19)	5	4580.00	91.00	344270.00	RUNWAY	46.60	7.74	42.28

Date: 9 /27/2004

Branch Condition Report

2 of 2

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	2	112500.00	51.50	7.50	52.33
RUNWAY	5	344270.00	46.60	7.74	42.28
TAXIWAY	1	23529.00	45.00	0.00	45.00
All	8	480299.01	47.63	7.53	44.76

Date: 9 /27/2004

Section Condition Report

1 of 2

Pavement Database: NetworkID: Point Hope

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
100 (TAXIWAY A)	100-01	09/16/1993	AAC	TAXIWAY	P	0	23529.00	06/30/2004	11	45.00
4100 (APRON)	4100-01	09/19/1993	AAC	APRON	P	0	50000.00	06/30/2004	11	44.00
4100 (APRON)	4100-02	09/16/1993	AC	APRON	P	0	62500.00	06/30/2004	11	59.00
6100 (RUNWAY 01-19)	6100-01	09/16/1993	AAC	RUNWAY	P	0	75000.00	06/30/2004	11	39.00
6100 (RUNWAY 01-19)	6100-02	09/16/1993	AAC	RUNWAY	P	0	150000.00	06/30/2004	11	40.00
6100 (RUNWAY 01-19)	6100-03	09/16/1993	AAC	RUNWAY	P	0	75000.00	06/30/2004	11	42.00
6100 (RUNWAY 01-19)	6100-04	09/19/1993	AAC	RUNWAY	S	0	22135.00	06/30/2004	11	56.00
6100 (RUNWAY 01-19)	6100-05	09/16/1993	AAC	RUNWAY	S	0	22135.00	06/30/2004	11	56.00

Date: 9 /27/2004

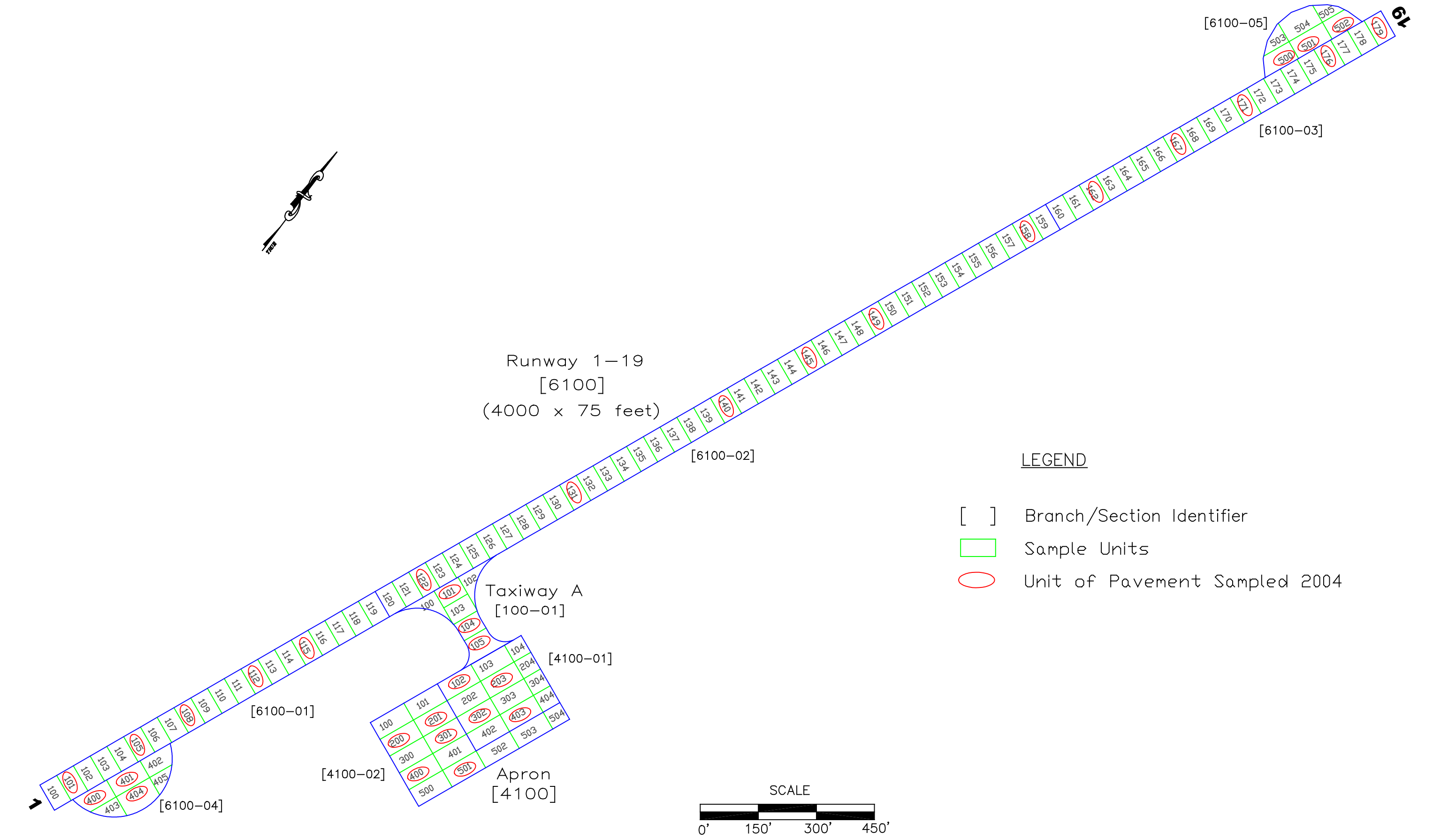
Section Condition Report

2 of 2

Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
11-15	11.00	480299.01	8	47.63	7.53	44.76
All	11.00	480299.01	8	47.63	7.53	44.76

[illegible]

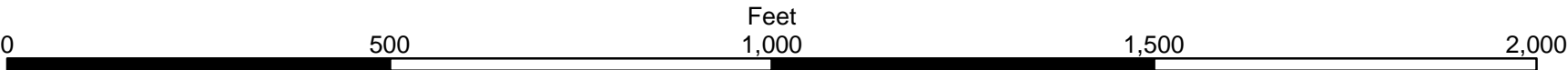
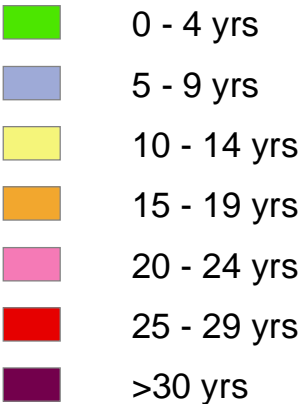
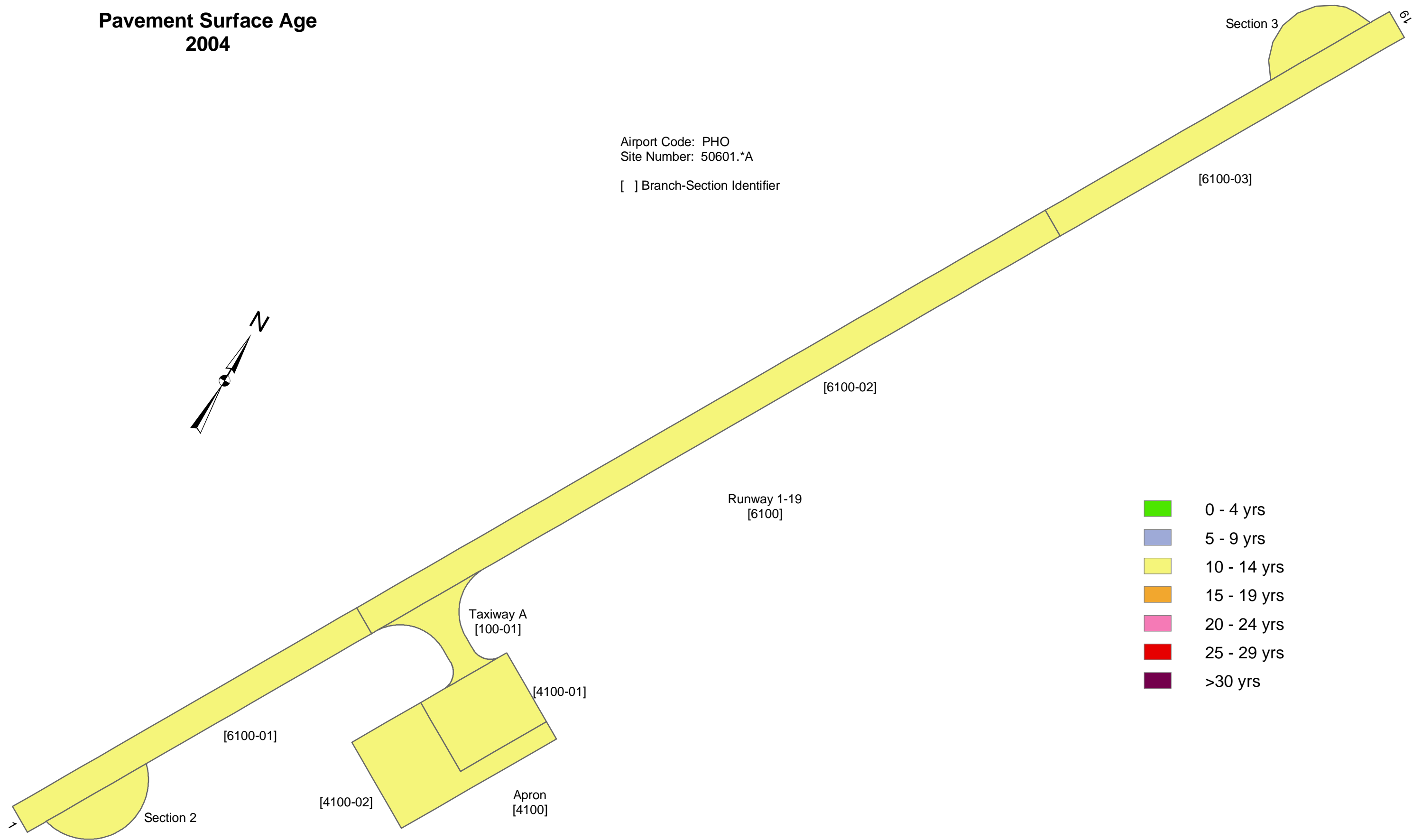
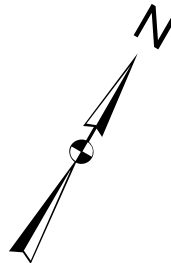


Point Hope Airport

Pavement Surface Age
2004

Airport Code: PHO
Site Number: 50601.*A

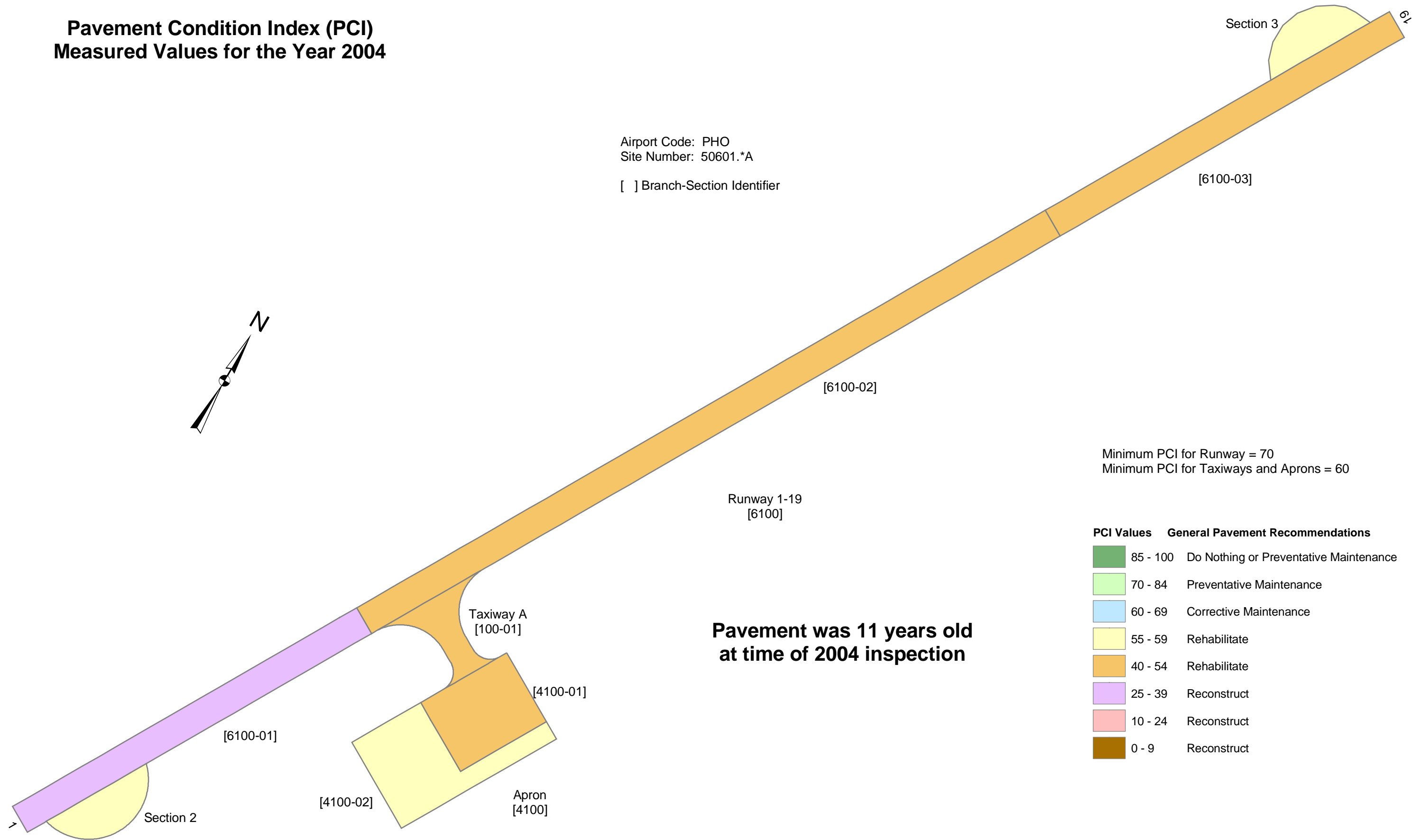
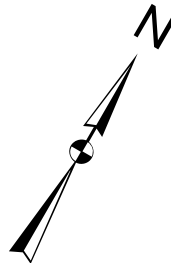
[] Branch-Section Identifier



Point Hope Airport

Pavement Condition Index (PCI)
Measured Values for the Year 2004

Airport Code: PHO
Site Number: 50601.*A
[] Branch-Section Identifier



Runway 1-19
[6100]

Taxiway A
[100-01]

[4100-01]

[4100-02]

Apron
[4100]

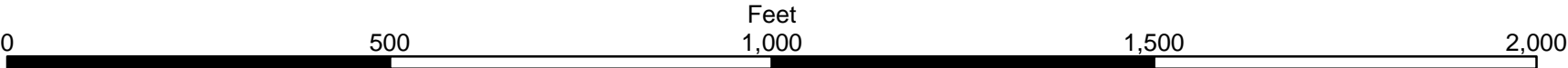
Section 3

Section 2

Pavement was 11 years old
at time of 2004 inspection

Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

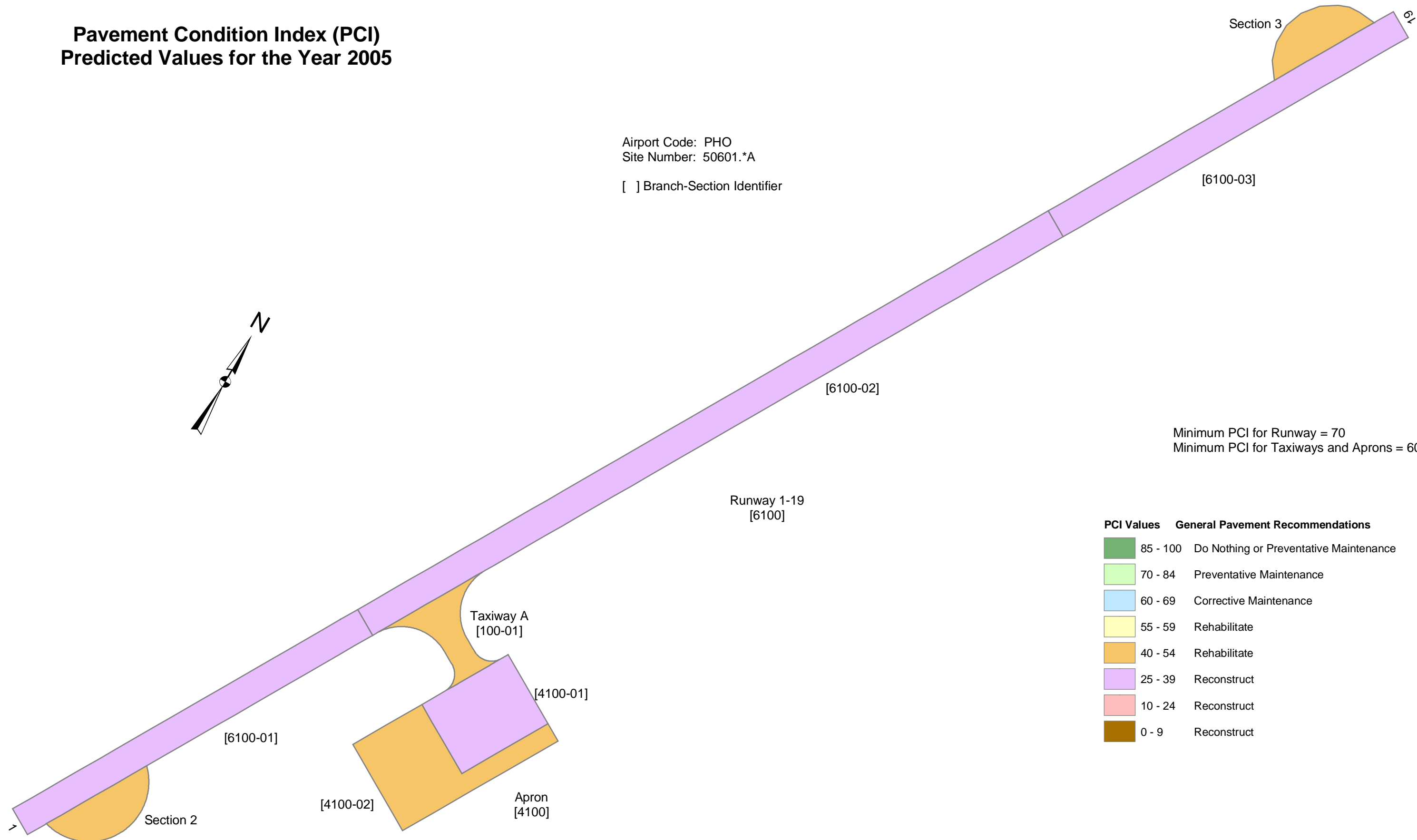
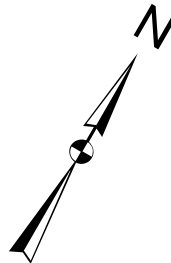


Point Hope Airport









Pavement Condition Index (PCI)
Predicted Values for the Year 2005

Airport Code: PHO
Site Number: 50601.*A

[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

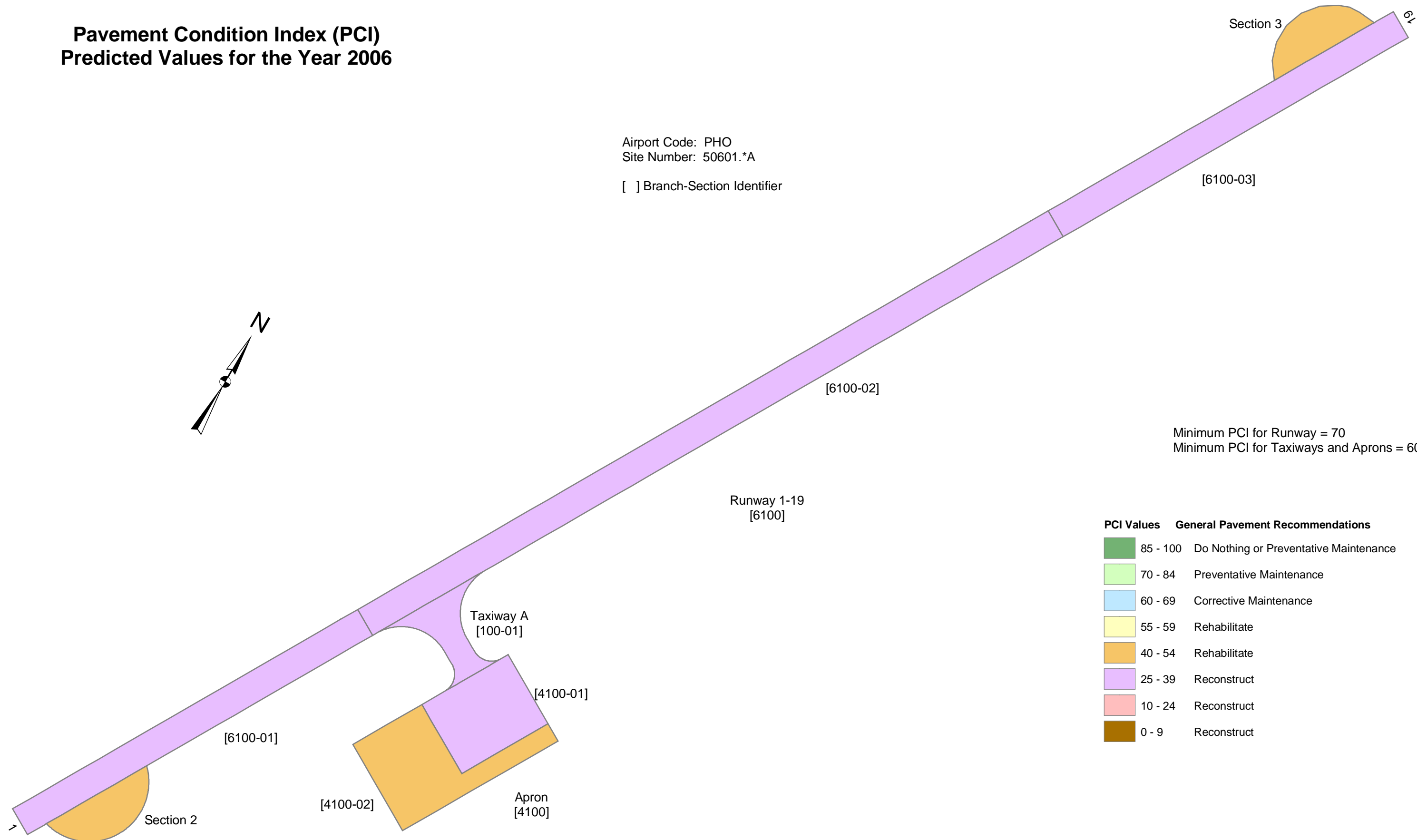
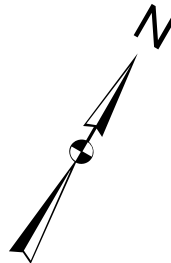
PCI Values	General Pavement Recommendations	
	85 - 100	Do Nothing or Preventative Maintenance
	70 - 84	Preventative Maintenance
	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct

Point Hope Airport

Pavement Condition Index (PCI) Predicted Values for the Year 2006

Airport Code: PHO
Site Number: 50601.*A

[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

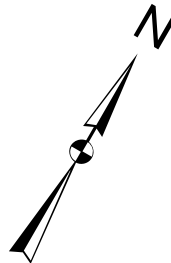
PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

Point Hope Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2007

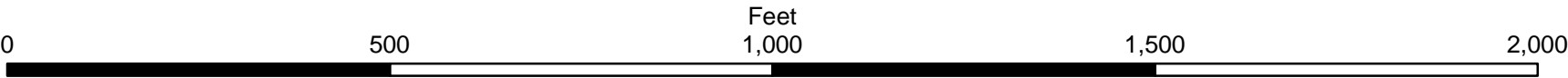
Airport Code: PHO
Site Number: 50601.*A

[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

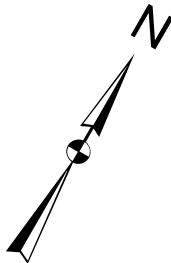


Point Hope Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2008

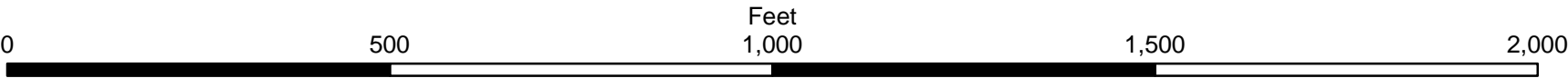
Airport Code: PHO
Site Number: 50601.*A

[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

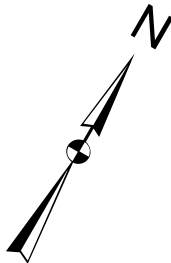


Point Hope Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2009

Airport Code: PHO
Site Number: 50601.*A

[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

